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Substitute for form "44"PTO		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/533,589	
		<b>Filing Date</b>	2005-05-03	
		<b>First Named Inventor</b>	Proctor et al.	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	THIER, MICHAEL	
<b>Sheet</b>	1	<b>of</b>	13	<b>Attorney Docket No:</b> 080588

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code <small>(201 known)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US3363250	01-09-1968	Irving Jacobson	
	002	US4000467	12-28-1976	Lentz et al.	
	003	US4061970	12-06-1977	Magneron et al.	
	004	US4124825	11-07-1978	Webb et al.	
	005	US4204016	05-20-1980	Chavannes et al.	
	006	US4701935	10-20-1987	Namiki et al.	
	007	US4820568	04-11-1989	Harpell et al.	
	008	US4922259	05-01-1990	Hall et al.	
	009	US5220562	06-15-1993	Takada et al.	
	010	US5280480	01-18-1994	Pitt et al.	
	011	US5341364	08-23-1994	Marra et al.	
	012	US5349463	09-20-1994	Hirohashi et al.	
	013	US5371734	12-06-1994	Fischer et al.	
	014	US5373503	12-13-1994	Chen et al.	
	015	US5408197	04-18-1995	Miyake et al.	
	016	US5408618	04-18-1995	Aho et al.	
	017	US5430726	07-04-1995	Moorwood et al.	
	018	US5465251	11-07-1995	Judd et al.	
	019	US5485486	01-16-1996	Gilhausen; Klein S. et al.	
	020	US5509028	04-16-1996	Marque-Pucheu et al.	
	021	US5515376	05-07-1996	Murthy et al.	

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Substitute for form 1463PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/533,589
		<b>Filing Date</b>	2005-05-03
		<b>First Named Inventor</b>	Proctor et al.
		<b>Art Unit</b>	2617
		<b>Examiner Name</b>	THIER, MICHAEL
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<b>Attorney Docket No. 080588</b>			

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <small>2(R known)</small>			
	022	US5608755	03-04-1997	Rakib et al.	
	023	US5610916	03-11-1997	Kostreski et al.	
	024	US5648984	07-15-1997	Kroninger et al.	
	026	US5654979	08-05-1997	Levin, Jeffrey A. et al.	
	025	US5678198	10-14-1997	Lemson et al.	
	027	US5726980	03-10-1998	Rickard et al.	
	028	US5732334	03-24-1998	Miyake et al.	
	029	US5754540	05-19-1998	Liu et al.	
	030	US5764636	06-09-1998	Edsall et al.	
	031	US5771174	06-23-1998	Spinner et al.	
	032	US5784683	07-21-1998	Sistanizadeh et al.	
	033	US5794145	08-11-1998	Milam et al.	
	034	US5815795	09-29-1998	Iwai et al.	
	035	US5852629	12-22-1998	Iwamatsu et al.	
	036	US5857144	01-05-1999	Mangum et al.	
	037	US5875179	02-23-1999	Tikalsky et al.	
	038	US5884181	03-16-1999	Arnold et al.	
	039	US5903553	05-11-1999	Sakamoto et al.	
	040	US5963846	10-05-1999	Kurby et al.	
	041	US6005855	12-21-1999	Zehavi et al.	
	042	US6005884	12-21-1999	Cook et al.	

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Substitute for form 1450PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Application Number</b> 10/533,589 <b>Filing Date</b> 2005-05-03 <b>First Named Inventor</b> Proctor et al. <b>Art Unit</b> 2617 <b>Examiner Name</b> THIER, MICHAEL		
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>201</sup> (known)			
	043	US6014380	01-11-2000	Hendei et al.	
	044	US6032194	02-29-2000	Gai et al.	
	045	US6061548	05-09-2000	Reudink et al.	
	046	US6088570	07-11-2000	Komara et al.	
	047	US6101400	08-08-2000	Ogaz et al.	
	048	US6128512	10-03-2000	Trompower et al.	
	049	US6128729	10-03-2000	Kimball et al.	
	050	US6188694	02-13-2001	Fine et al.	
	051	US6195051	02-27-2001	McCoy et al.	
	052	US6202114	03-13-2001	Dutt et al.	
	053	US6215982	04-10-2001	Trompower et al.	
	054	US6219739	04-17-2001	Dutt et al.	
	055	US6222503	04-24-2001	Gietema et al.	
	056	US6272351	08-07-2001	Langston et al.	
	057	US6285863	09-04-2001	Zhang et al.	
	058	US6298061	10-02-2001	Chin et al.	
	059	US6304563	10-16-2001	Blessent et al.	
	060	US6304575	10-16-2001	Carroll et al.	
	061	US6331792	12-18-2001	Tonietto et al.	
	062	US6339694	01-15-2002	Komara et al.	
	063	US6342777	01-29-2002	Takahashi et al.	

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Substitute for form 1449aPTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/533 589	
		<b>Filing Date</b>	2005-05-03	
		<b>First Named Inventor</b>	Proctor et al.	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	THIER, MICHAEL	
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	064	US6363068	03-26-2002	Kinoshita et al.	
	065	US6370185	04-09-2002	Schmutz et al.	
	066	US6370369	04-09-2002	Kralem et al.	
	067	US6377612	04-23-2002	Baker et al.	
	068	US6377640	04-23-2002	Trans et al.	
	069	US6385181	05-07-2002	Tsutsui et al.	
	070	US6388995	05-14-2002	Gai et al.	
	071	US6473131	10-29-2002	Neugebauer et al.	
	072	US6480481	11-12-2002	Park et al.	
	073	US6501955	12-31-2002	Durrant et al.	
	074	US6535732	03-18-2003	McIntosh et al.	
	075	US6539204	03-25-2003	Marsh et al.	
	076	US6549567	04-15-2003	Fullerton et al.	
	077	US6628624	09-30-2003	Mahajan et al.	
	078	US6671502	12-30-2003	Ogawa et al.	
	079	US6684058	01-27-2004	Karacaoglu et al.	
	080	US6718160	04-06-2004	Schmutz et al.	
	081	US6781544	08-24-2004	Saliga et al.	
	082	US6880103	04-12-2005	Kim et al.	
	083	US6906669	06-14-2005	Sabet et al.	
	084	US6934511	08-23-2005	Lovinggood et al.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/533,589	
		<b>Filing Date</b>	2005-05-03	
		<b>First Named Inventor</b>	Proctor et al.	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	THIER, MICHAEL	
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		Number-Kind Code <sup>2(a) known</sup>			
	085	US6934555	08-23-2005	Silva et al.	
	086	US6944139	09-13-2005	Campanella et al.	
	087	US6983162	01-03-2006	Garani et al.	
	088	US6985516	01-10-2006	Easton et al.	
	089	US6990313	01-24-2006	Yarkosky et al.	
	090	US7027418	04-11-2006	Gan et al.	
	091	US7050452	05-23-2006	Sugar et al.	
	092	US7058368	06-06-2006	Nicholls et al.	
	093	US7088734	08-08-2006	Newberg et al.	
	094	US7103344	09-05-2006	Menard et al.	
	095	US7120930	10-10-2006	Maufer et al.	
	096	US7123676	10-17-2006	Gebara et al.	
	097	US7132988	11-07-2006	Yegin et al.	
	098	US7133391	11-07-2006	Beleca et al.	
	099	US7139527	11-21-2006	Tamaki et al.	
	100	US7167526	01-23-2007	Liang et al.	
	101	US7193975	03-20-2007	Tsutsumi et al.	
	102	US7194275	03-20-2007	Bolin et al.	
	103	US7200134	04-03-2007	Proctor, Jr et al.	
	104	US7215964	05-08-2007	Miyake et al.	
	105	US7233771	06-19-2007	Proctor, Jr et al.	

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		<b>Filing Date</b>	2005-05-03	
		<b>First Named Inventor</b>	Proctor et al.	
		<b>Art Unit</b>	2617	
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	106	US7248645	07-24-2007	Vialle et al.	
	107	US7254132	08-07-2007	Takao et al.	
	108	US7299005	11-20-2007	Yarkosky et al.	
	109	US7319714	01-15-2008	Sakata et al.	
	110	US7321787	01-22-2008	Kim et al.	
	111	US7339926	03-04-2008	Stanwood et al.	
	112	US7352696	04-01-2008	Stephens et al.	
	113	US7409186	08-05-2008	Van Buren et al.	
	114	US7430397	09-30-2008	Suda et al.	
	115	US7450936	11-11-2008	Kim et al.	
	116	US7486929	02-03-2009	Van Buren et al.	
	117	US7577398	08-18-2009	Judd et al.	
	118	US7590145	09-15-2009	Futch et al.	
	119	US7623826	11-24-2009	Pergal et al.	
	120	US7676194	03-09-2010	Rappaport et al.	
	121	US20070286110	12-13-2007	James A. JR et al	
	122	US20010031646	10-18-2001	Williams, Terry L. et al.	
	123	US20020018487	02-14-2002	Chen, Song et al.	
	124	US20020045461	04-18-2002	Bongfeldt, David et al.	
	125	US20020061031	05-23-2002	Sugar, Gary L. et al.	
	126	US20020089945	07-11-2002	Belcea, John M. et al.	

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		<b>Filing Date</b>	2005-05-03	
		<b>First Named Inventor</b>	Proctor et al.	
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		Number-Kind Code (2011 known)			
	127	US20020101843	08-01-2002	Sheng, Huang Chih et al.	
	128	US20020102948	08-01-2002	Stanwood, Kenneth L et al.	
	129	US20020115409	08-22-2002	Khayrallah, Ali S et al.	
	130	US20020136268	09-26-2002	Gan, Hongbing et al.	
	131	US20020141435	10-03-2002	Newberg, Donald G et al.	
	132	US20020163902	11-07-2002	Takao, Toshiaki et al.	
	133	US20020177401	11-28-2002	Judd, Mano D et al.	
	134	US20030026363	02-06-2003	Stoter, Jan et al.	
	135	US20030139175	07-24-2003	Kim, Jong-Hwan et al.	
	136	US20030179734	09-25-2003	Tsutsumi, Takayuki et al.	
	137	US20030235170	12-25-2003	Trainin, Solomon B et al.	
	138	US20030236069	12-25-2003	Sakata, Ren et al.	
	139	US20040029537	02-12-2004	Pugel, Michael Anthony et al.	
	140	US20040038707	02-26-2004	Kim, Hyeong Seog et al.	
	141	US20040047333	03-11-2004	Han, Sung-Chul et al.	
	142	US20040047335	03-11-2004	Proctor, James Arthur JR et al.	
	143	US20040110469	06-10-2004	Judd, Mano D et al.	
	144	US20040131025	07-08-2004	Dohler, Mischa et al.	
	145	US20040146013	07-29-2004	Song, Peter Chun Teck et al.	
	146	US20040166802	08-26-2004	McKay, David L. SR et al.	

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Substitute for form 1485P-TO		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/533,589	
		<b>Filing Date</b>	2005-05-03	
		<b>First Named Inventor</b>	Proctor et al.	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	THIER, MICHAEL	
<b>Sheet</b>	8	of	13	<b>Attorney Docket No:</b> 080588

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code <small>(2011 known)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	147	US20040176050	09-09-2004	Steer, David et al.	
	148	US20040198295	10-07-2004	Nicholls, Charles T et al.	
	149	US20040218683	11-04-2004	Batra, Anuj et al.	
	150	US20040229563	11-18-2004	Fitton, Michael Philip et al.	
	151	US20040264511	12-30-2004	Futch, Richard J et al.	
	152	US20050014464	01-20-2005	Larsson, Peter et al.	
	153	US20050030891	02-10-2005	Stephens, Adrian P et al.	
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	165	US20060098592	05-11-2006	Proctor Jr et al.	
	166	US20060183421	08-17-2006	Proctor et al.	
	167	US20060203757	09-14-2006	Young et al.	

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Substitute for form 1449PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known:</i> <b>Application Number</b> 10/533,589 <b>Filing Date</b> 2005-05-03 <b>First Named Inventor</b> Proctor et al. <b>Art Unit</b> 2617 <b>Examiner Name</b> THIER, MICHAEL	
<b>Sheet</b>	<b>9</b>	<b>of</b>	<b>13</b>
		<b>Attorney Docket No:</b> 080588	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	168	US20060262026	11-23-2006	Gainey et al.	
	169	US20070025349	02-01-2007	Bajic et al.	
	170	US20070025486	02-01-2007	Gainey et al.	
	171	US20070121546	05-31-2007	Zuckerman et al.	
	172	US20080057862	03-06-2008	Smith et al.	
	173	US20080233942	09-25-2008	Kim et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	174	WO2004062305A1	07-22-2004	WIDEFI INC [US] et al.		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

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Sheet	10	of 13
<b>Attorney Docket No:</b> 080588		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	175	ANDRISANO, et al., "On the Spectral Efficiency of CPM Systems over Real Channel in the Presence of Adjacent Channel and CoChannel Interference: A Comparison between Partial and Full Response Systems, IEEE Transactions on Vehicular Technology, Vol. 39, No. 2, May 1990.	
	176	Copy of First Office Action issued from the Chinese Patent Office in connection with corresponding Chinese application No. 200380101286.2. (Attorney Docket 080586CN, corresponding U.S. patent application serial number 10/530,546)	
	177	Draft Corrigendum to IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed Broadband Wireless Access Systems, IEEE P802.16-2004/Cor1/D5.	
	178	Draft IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems; Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands	
	179	First Report issued by IP Australia on July 31, 2007 in connection with the corresponding Australian application No. 2003239577. (Attorney Docket 080583AU, corresponding U.S. patent application serial number 10/516,327)	
	180	IEEE 802.16(e), Part 16: Air Interface for Fixed Broadband Wireless Access Systems, 2005, Sections 8.4.10.2.1; 8.4.10.3.2.	
	181	International Search Report-PCT/US2003/035050, International Searching Authority/US-Alexandria, Virginia-5/21/04 (080588WO).	
	182	KANNANGARA, et al., "Analysis of an Adaptive Wideband Duplexer with Double-Loop Cancellation," IEEE Transactions on Vehicular Technology, vol. 56, no. 4, July 2007, pp. 1971-1982.	
	183	KUTLU, et al., "Performance Analysis of MAC Protocols for Wireless Control Area Network," 1996 IEEE, pp. 494-499.	
	184	Mexican Office communication dated July 2, 2007 issued from Mexican Patent Office for application PA/a/2004/011588 with partial translation thereof. (Attorney Docket 080583MX, corresponding U.S. patent application serial number 10/516,327)	
	185	Notification of the First Office Action from Chinese Patent Office dated September 8, 2006 for the corresponding Chinese patent application No.: 200380105267.7. (Attorney Docket 080589CN, corresponding U.S. patent application serial number 10/536,471)	

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Substitute for form 1459/PTO		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/533,589	
		<b>Filing Date</b>	2005-05-03	
		<b>First Named Inventor</b>	Proctor et al.	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	THIER, MICHAEL	
<b>Sheet</b>	11	of	13	<b>Attorney Docket No:</b> 080588

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	186	Office Action issued from the Mexican Patent Office dated February 22, 2008 in connection with the corresponding Mexican Patent Application No. PA/a/2004/011588. (Attorney Docket 080583MX, corresponding U.S. patent application serial number 10/516,327)	
	187	Office communication dated January 12, 2007 issued from the European Patent Office for counterpart application No. 03734136 9-1246. (Attorney Docket 080583EP, corresponding U.S. patent application serial number 10/516,327)	
	188	Office communication dated October 19, 2006 issued from the Mexican Patent Office for counterpart application No. PA/a/2004/011588. (Attorney Docket 080583MX, corresponding U.S. patent application serial number 10/516,327)	
	189	Official communication issued from the European Patent Office dated August 7, 2007 for the corresponding European patent application No. 03759271.4-2412. (Attorney Docket 080590EP, corresponding U.S. patent application serial number 10/531,078)	
	190	Official communication issued from the European Patent Office dated December 19, 2006 for the corresponding European patent application No. 03759271.4-2412. (Attorney Docket 080590EP, corresponding U.S. patent application serial number 10/531,078)	
	191	Second Office Action issued from the Chinese Patent Office on July 20, 2007 in connection with corresponding Chinese application No. 200380101286.2. (Attorney Docket 080586CN, corresponding U.S. patent application serial number 10/530,546)	
	192	Specifications for 2.3 GHz Band Portable Internet Service - Physical & Medium Access Control Layer, TTAS.KO-06.0082/R1, December 2005.	
	193	Third Office Action issued from the Patent Office of People's Republic of China dated January 4, 2008 in corresponding Chinese Patent Application No. 200380101286.2. (Attorney Docket 080586CN, corresponding U.S. patent application serial number 10/530,546)	
	194	Translation of Office Action issued by Chinese Patent Office on October 19, 2007 in connection with the corresponding Chinese application No. 03814391.7. (Attorney Docket 080583CN, corresponding U.S. patent application serial number 10/516,327)	
	195	U.S. PTO Office Action mailed on April 17, 2007 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.	
	196	U.S. PTO Office Action mailed on January 24, 2007 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.	

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 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. \*Applicant is to place a check mark here if English language.  
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Substitute for Form 1449-PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	
				10/533,589	
				Filing Date	
				2005-05-03	
				First Named Inventor	
		Proctor et al.			
Art Unit		2617			
Examiner Name		THIER, MICHAEL			
Sheet	12	of	13	Attorney Docket No: 080588	

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	197	U.S. PTO Office Action mailed on November 21, 2006 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.		
	198	U.S. PTO Office Action mailed on November 6, 2006 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.		

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